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Sequence Listing could not be accepted due to errors.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: [year=2008; month=3; day=14; hr=16; min=39; sec=12; ms=131;]

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Reviewer Comments:

<120>

Novel interaction between proteins, and therapeutic agent for disuse muscular atrophy or method associated with disuse muscular atrophy taking advantage of novel interaction

Please move the first line of the invention title to the <120> line. The lines exceed the Sequence Rules' required 72-character line limit (this includes white spaces). Please adjust the lines.

<210> 1

<211> 213

<212> PRT

<213> Homo sapiens

<220>

<223> ZNF216(Zub 1)

<400> 1

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Thr	Gly	Cys	Gly	Phe	Tyr	Gly	Asn	Pro	Arg	Thr	Asn	Gly	Met	Cys
				20					25					30
Ser	Val	Cys	Tyr	Lys	Glu	His	Leu	Gln	Arg	Gln	Gln	Asn	Ser	Gly
				35					40					45
Arg	Met	Ser	Pro	Met	Gly	Thr	Ala	Ser	Gly	Ser	Asn	Ser	Pro	Thr
				50					55					60
Ser	Asp	Ser	Ala	Ser	Val	Gln	Arg	Ala	Asp	Thr	Ser	Leu	Asn	Asn
				65					70					75
Cys	Glu	Gly	Ala	Ala	Gly	Ser	Thr	Ser	Glu	Lys	Ser	Arg	Asn	Val
				80					85					90
Pro	Val	Ala	Ala	Leu	Pro	Val	Thr	Gln	Gln	Met	Thr	Glu	Met	Ser

	95		100		105
Ile Ser Arg Glu Asp Lys Ile Thr Thr		Pro Lys Thr Glu Val Ser			
	110		115		120
Glu Pro Val Val Thr Gln Pro Ser Pro		Ser Val Ser Gln Pro Ser			
	125		130		135
Thr Ser Gln Ser Glu Glu Lys Ala Pro		Glu Leu Pro Lys Pro Lys			
	140		145		150
Lys Asn Arg Cys Phe Met Cys Arg Lys		Lys Val Gly Leu Thr Gly			
	155		160		165
Phe Asp Cys Arg Cys Gly Asn Leu Phe		Cys Gly Leu His Arg Tyr			
	170		175		180
Ser Asp Lys His Asn Cys Pro Tyr Asp		Tyr Lys Ala Glu Ala Ala			
	185		190		195
Ala Lys Ile Arg Lys Glu Asn Pro Val		Val Val Ala Glu Lys Ile			
	200		205		210
Gln Arg Ile					
213					

Please removed the above "213": the amino acids are numbered under every 5 amino acids. Same error in Sequence 2.

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<210> 5
<211> 70
<212> RNA
<213> Homo sapiens
<220>
<223> siRNA of AWP1
<400> 5
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ccattttttt ggaagtcgac    70

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t's are not permitted in a <212> RNA sequence. For a combined DNA/RNA sequence, use <212> DNA and explain in the <220>-<223> section that it is a combined DNA/RNA sequence.

Application No: 10581969 Version No: 1.0

Input Set:

Output Set:

Started: 2008-02-27 16:16:41.653
Finished: 2008-02-27 16:16:44.927
Elapsed: 0 hr(s) 0 min(s) 3 sec(s) 274 ms
Total Warnings: 0
Total Errors: 24
No. of SeqIDs Defined: 5
Actual SeqID Count: 5

Error code	Error Description
E 201	Mandatory field data missing in <120>
E 323	Invalid/missing amino acid numbering SEQID (1)at Protein (213)
E 323	Invalid/missing amino acid numbering SEQID (2)at Protein (208)
E 256	't' found in RNA; POS (4) SEQID(5)
E 256	't' found in RNA; POS (9) SEQID(5)
E 256	't' found in RNA; POS (14) SEQID(5)
E 256	't' found in RNA; POS (16) SEQID(5)
E 256	't' found in RNA; POS (18) SEQID(5)
E 256	't' found in RNA; POS (19) SEQID(5)
E 256	't' found in RNA; POS (23) SEQID(5)
E 256	't' found in RNA; POS (25) SEQID(5)
E 256	't' found in RNA; POS (27) SEQID(5)
E 256	't' found in RNA; POS (28) SEQID(5)
E 256	't' found in RNA; POS (38) SEQID(5)
E 256	't' found in RNA; POS (41) SEQID(5)
E 256	't' found in RNA; POS (49) SEQID(5)
E 256	't' found in RNA; POS (54) SEQID(5)
E 256	't' found in RNA; POS (55) SEQID(5)
E 256	't' found in RNA; POS (56) SEQID(5)
E 256	't' found in RNA; POS (57) SEQID(5)

Input Set:

Output Set:

Started: 2008-02-27 16:16:41.653
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Total Warnings: 0
Total Errors: 24
No. of SeqIDs Defined: 5
Actual SeqID Count: 5

Error code	Error Description
E 256	't' found in RNA; POS (58) SEQID(5)
E 256	't' found in RNA; POS (59) SEQID(5)
E 256	't' found in RNA; POS (60) SEQID(5) This error has occurred more than 20 times, will not be displayed

SEQUENCE LISTING

<110>Natsume, Tohru

Watanabe, Ken

<120>

Novel interaction between proteins, and therapeutic agent for disuse muscular atrophy or method associated with disuse muscular atrophy taking advantage of novel interaction

<130> 039371-17

<140> 10581969

<141> 2008-02-27

<160> 5

<210> 1

<211> 213

<212> PRT

<213> Homo sapiens

<220>

<223> ZNF216(Zub 1)

<400> 1

Met	Ala	Gln	Glu	Thr	Asn	Gln	Thr	Pro	Gly	Pro	Met	Leu	Cys	Ser
1				5					10					15
Thr	Gly	Cys	Gly	Phe	Tyr	Gly	Asn	Pro	Arg	Thr	Asn	Gly	Met	Cys
				20					25					30
Ser	Val	Cys	Tyr	Lys	Glu	His	Leu	Gln	Arg	Gln	Gln	Asn	Ser	Gly
				35					40					45
Arg	Met	Ser	Pro	Met	Gly	Thr	Ala	Ser	Gly	Ser	Asn	Ser	Pro	Thr
				50					55					60
Ser	Asp	Ser	Ala	Ser	Val	Gln	Arg	Ala	Asp	Thr	Ser	Leu	Asn	Asn
				65					70					75
Cys	Glu	Gly	Ala	Ala	Gly	Ser	Thr	Ser	Glu	Lys	Ser	Arg	Asn	Val
				80					85					90
Pro	Val	Ala	Ala	Leu	Pro	Val	Thr	Gln	Gln	Met	Thr	Glu	Met	Ser
				95					100					105
Ile	Ser	Arg	Glu	Asp	Lys	Ile	Thr	Thr	Pro	Lys	Thr	Glu	Val	Ser
				110					115					120
Glu	Pro	Val	Val	Thr	Gln	Pro	Ser	Pro	Ser	Val	Ser	Gln	Pro	Ser
				125					130					135
Thr	Ser	Gln	Ser	Glu	Glu	Lys	Ala	Pro	Glu	Leu	Pro	Lys	Pro	Lys
				140					145					150
Lys	Asn	Arg	Cys	Phe	Met	Cys	Arg	Lys	Lys	Val	Gly	Leu	Thr	Gly
				155					160					165
Phe	Asp	Cys	Arg	Cys	Gly	Asn	Leu	Phe	Cys	Gly	Leu	His	Arg	Tyr
				170					175					180
Ser	Asp	Lys	His	Asn	Cys	Pro	Tyr	Asp	Tyr	Lys	Ala	Glu	Ala	Ala
				185					190					195
Ala	Lys	Ile	Arg	Lys	Glu	Asn	Pro	Val	Val	Val	Ala	Glu	Lys	Ile
				200					205					210
Gln	Arg	Ile												
				213										

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<211> 208

<212> PRT

<213> Homo sapiens

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<223> AWP1(Zub 2)

<400> 2

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Ser Val Cys Tyr	Lys Glu His Leu Gln	Arg Gln Asn Ser	Ser Asn
	35	40	45
Gly Arg Ile Ser	Pro Pro Ala Thr Ser	Val Ser Ser Leu	Ser Glu
	50	55	60
Ser Leu Pro Val	Gln Cys Thr Asp Gly	Ser Val Pro Glu	Ala Gln
	65	70	75
Ser Ala Leu Asp	Ser Thr Ser Ser Ser	Met Gln Pro Ser	Pro Val
	80	85	90
Ser Asn Gln Ser	Leu Leu Ser Glu Ser	Val Ala Ser Ser	Gln Leu
	95	100	105
Asp Ser Thr Ser	Val Asp Lys Ala Val	Pro Glu Thr Glu	Asp Val
	110	115	120
Gln Ala Ser Val	Ser Asp Thr Ala Gln	Gln Pro Ser Glu	Glu Gln
	125	130	135
Ser Lys Ser Leu	Glu Lys Pro Lys Gln	Lys Lys Asn Arg	Cys Phe
	140	145	150
Met Cys Arg Lys	Lys Val Gly Leu Thr	Gly Phe Glu Cys	Arg Cys
	155	160	165
Gly Asn Val Tyr	Cys Gly Val His Arg	Tyr Ser Asp Val	His Asn
	170	175	180
Cys Ser Tyr Asn	Tyr Lys Ala Asp Ala	Ala Glu Lys Ile	Arg Lys
	185	190	195
Glu Asn Pro Val	Val Val Gly Glu Lys	Ile Gln Lys Ile	
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<212> DNA

<213> Homo sapiens

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<223> ZNF216

<400> 3

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gggacagcta gtggttccaa cagtctacc tcagattctg catctgtaca 200
gagagcagac actagcttaa acaactgtga aggtgctgct ggcagcacat 250
ctgaaaaatc aagaaatgtg cctgtggctg ccttgccctgt aactcagcaa 300
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agaggtgtca gagccagttg tcaactcagcc cagtccatca gtttctcagc 400
ccagtacttc tcagagtga gaaaaagctc ctgaattgcc caaaccaaag 450
aaaaacagat gtttcatgtg cagaaagaaa gttgggtctta cagggtttga 500
ctgccgatgt ggaaatttgt tttgtggact tcaccgttac tctgacaagc 550
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<210> 4

<211> 627

<212> DNA

<213> Homo sapiens

<220>

<223> AWP1

<400> 4

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cctgcaacct ctgtcagtag tctgtctgaa tctttaccag ttcaatgcac 200
agatggcagt gtgccagaag cccagtcagc attagactct acatcttcat 250
ctatgcagcc cagccctgta tcaaatacgt cacttttata agaatactgta 300
gcatcttctc aattggacag tacatctgtg gacaaagcag tacctgaaac 350
agaagatgtg caggcttcag tatcagacac agcacagcag ccactctgaag 400
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tgtttactgt ggtgtacacc gttactcaga tgtacacaat tgctcttaca 550
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gttggtgaaa agatccaaaa gatttga 627

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<210> 5

<211> 70

<212> RNA

<213> Homo sapiens

<220>

<223> siRNA of AWP1

<400> 5

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ggatcccatg gcatgtgttc agtatgttca agagacatac tgaacacatg 50
ccattttttt ggaagtcgac 70

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